

BASF Aktiengesellschaft

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Abstract

5 Plant gene expression under the control of constitutive
plant V-ATPase promoters

Sub B1
10 To express selection genes and resistance genes, it
would be desirable to have available plant constitutive
promoters which have a strong uniform constitutive
activity in as many plant tissues or cell types as
possible and which, moreover, show an even stronger
activity, or are not repressed, under stress
conditions.

15 The invention provides DNA constructs which encompass a
plant V-ATPase promoter which is operatively linked
with a heterologous gene. The invention furthermore
relates to the use of these constructs in the form of
20 expression cassettes, recombinant vectors and in
transgenic plants, plant cells or protoplasts. In
particular, the invention relates to the promoter of
the *Beta vulgaris* V-ATPase subunit c isoform 2.

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